

ABSTRACT OF THE DISCLOSURE

A first manual input device for inputting an irradiation ready state is provided in each treatment room or a control room formed corresponding to the treatment room. A safety device confirms that preparations for generation of an ion beam in an accelerator are completed and preparations for transport of the ion beam in a beam transport system for introducing the ion beam to an irradiation unit in the treatment room selected in response to a ready signal from the first manual input device are completed, followed by outputting ready information. A ready state display unit for displaying the ready information is provided. In the treatment room or the control room, a second manual input device is provided for inputting an irradiation start instruction when the ready information is displayed by the ready state display unit.